MP3 DIGITAL AUDIO

FM TUNER

Plays Windows Media™

REC VOICE recorder

Instruction Manual

PORTABLE STORAGE DEVICE & MULTI - CODEC JUKE BOX

Model H120

Firmware Upgradable

Thank you for your purchase.
Please read this manual carefully
before using your new player.

http://www.iRiverAmerica.com

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Model H120

http://www.iRiverAmerica.com

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

- **Portable Storage Device**
  The H120 can be used as a portable storage device to transfer files to any PC.
- **USB 2.0 is supported**
  The H120 supports USB 2.0 with maximum transfer speed of 480 Mbit/Sec.
- **Multi-Codec Player**
  Supports MP3, Ogg Vorbis, WMA, ASF, and WAV formats as a multi-Codec player.
  The H120 supports WAV types of 11/22/44/48KHz, 16bit, Mono/Stereo.
- **Firmware Upgrade**
  Provides the latest updated features via firmware upgrade.
- **Graphic LCD supporting Multiple Languages**
  The H120 comes with a graphic LCD which can support multiple languages, including: English, French, Spanish, German, Italian, other alphabet-oriented fonts, Korean, Japanese (Katakana, Hiragana, Kanji), Chinese (Traditional, Simplified) and others. A total of 38 languages are supported.
- **FM Tuner**
  Auto scanning and station memory functions make it easy for you to enjoy listening to the FM Radio.
- **Supports 6 Equalizer Patterns**
  Normal, Rock, Jazz, Classic, Ultra Bass, User EQ
- **This player supports 3D Surround Sound developed by SRS Lab.**
- **Easy Navigation**
  The simple navigation with tree configuration makes it easy to find or save any song.
- **H120 can recognize up to 2000 folders and 9999 files.**
- **Graphic User Interface Menu**
- **Voice recording and recording (Line-In/Optical In) from an external audio source is supported.**
  When voice recording, recording level is automatically controlled at voice recording mode.
- **Line-Out / Optical-Out**

- **URL : http://www.iRiverAmerica.com**
- **Provides information on our company, products, and email addresses for support.**
- **Download the latest Software and Firmware Upgrades**
- **Register your iRiver product online so that our Customer Service is enabled to provide support as efficiently as possible.**
- **Contents described in this manual may be changed with out notice.**

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1. Locating the Controls
- Front View, Side View..... 5
- Up/ Down Side, LCD Window..... 6
- Remote Control..... 7

2. Getting started
- Using AC Power Adapter..... 8
- Software Installation..... 9
- Connecting the H120 to the Host PC..... 10
- Installing the H120 Device Driver..... 11
- Using as a Portable Storage Device..... 12
- Disconnecting the H120 to the Host PC..... 13
- Listening to Music..... 14~15
- Basic Operation..... 16~19

3. Useful Features
- Navigation Mode / Menu / Mode..... 19
- Playback Mode..... 20
- Navigation..... 21~23
- Upgrading DB..... 24
- Adding DB..... 25
- Using TEXT Files..... 26~29
- Operating the FM Tuner..... 30~32
- Recording..... 33~35
- Playback Mode..... 36
- EQ/SRS..... 37
- Menu..... 38~46
- Using Winamp Playlist..... 47~48
- Firmware Upgrade..... 49

4. Additional Information
- Reference..... 50
- Precautions..... 51
- Trouble Shooting..... 52
- Accessories..... 53
- Product Specifications..... 54
- Regulatory information..... 55

FRONT VIEW

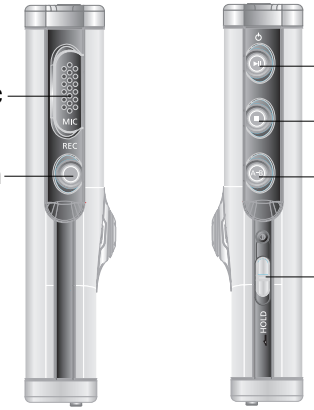
LCD Window

Charging Indicator

HDD Operating Indicator

Jog Handle for Multi Function Control

SIDE VIEW



Mic

Rec Button

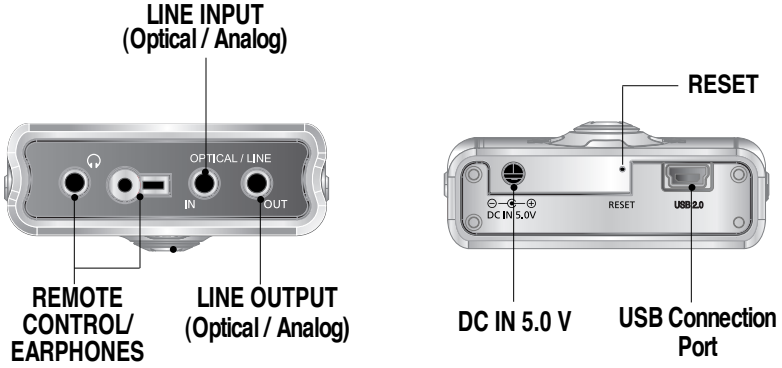
Power ON/ ▶II/ FM ↦ HDD(Play / Pause)

■ (Stop)/ Power OFF

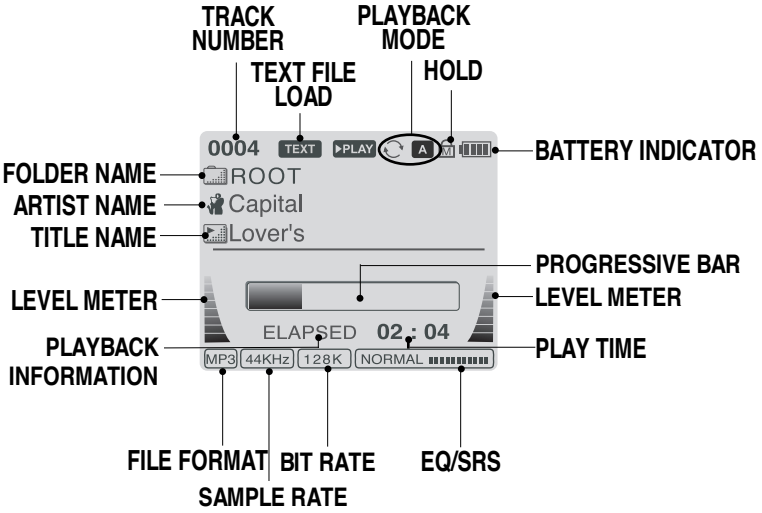
A-B (Interval Repeat) / MODE

HOLD

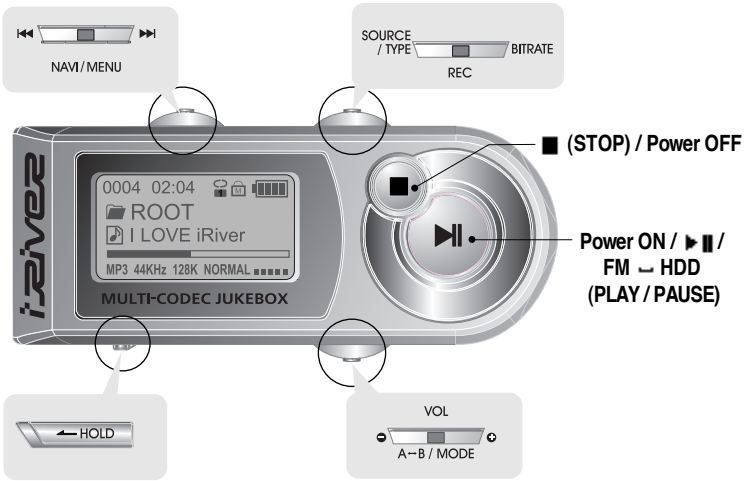
UP/ DOWN SIDE



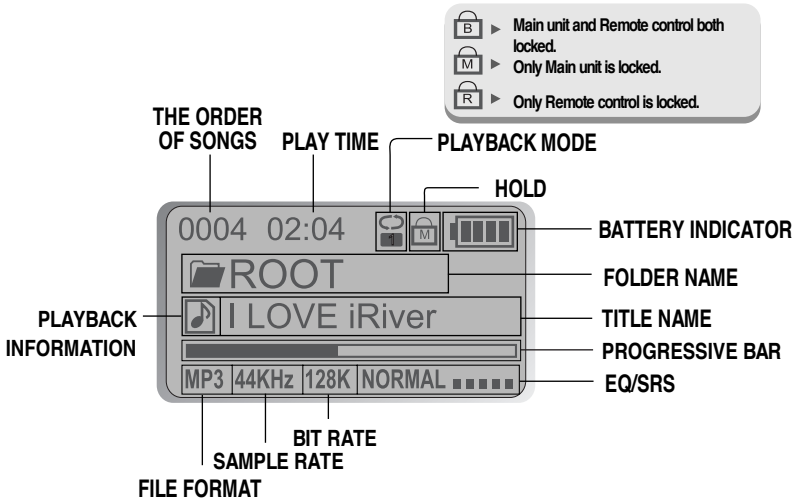
LCD WINDOW



REMOTE CONTROL



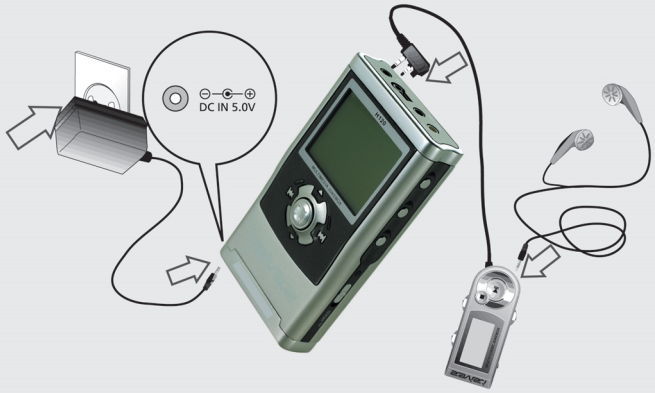
LCD WINDOW (REMOTE CONTROL)



USING AC POWER ADAPTER

1 Use only the AC Power Adapter supplied with the player.
The AC operating voltage of this player is 100~240V, 50~60Hz.

2 Connect the adapter to the 5.0V DC jack on the player and into an AC outlet.



RECHARGING METHOD

- The player will charge automatically when the AC adapter is connected to the player.
- When fully charged, charge indicator light turns off.

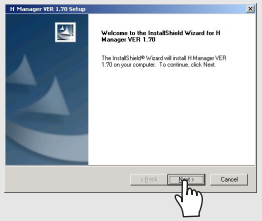
Charging : Approx. 3 hours (At full discharge)
Discharging (Playback time) : Approx. 16 hours (At full charge)

※ Playtime is measured under playback of MP3 128Kbps at full charge.

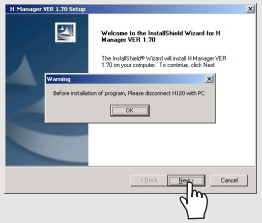
SOFTWARE INSTALLATION

Windows ME, Windows 2000 and Windows XP will recognize the H120 as a USB drive automatically and you can use the player with out installing H Manager.
For Windows 98 SE users, the H Manager must be installed for the computer to recognize the player. All users must install H Manager to use the Database function.

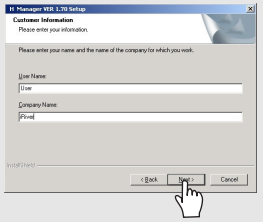
1 Insert the installation CD in the PC. Locate and execute the file "H Manager 1.70.exe". The installation screen will appear.



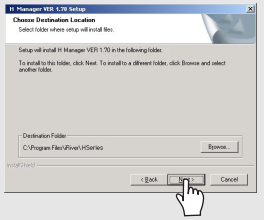
2 If the player has been connected to the PC, disconnect it.
Click "OK" to install the installation program.



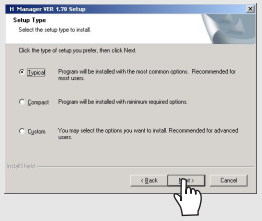
3 Enter user information, click "Next".



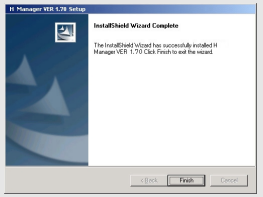
4 Select installation folder, click "Next".



5 Select installation type (Typical, Minimal, or Custom), click "Next".



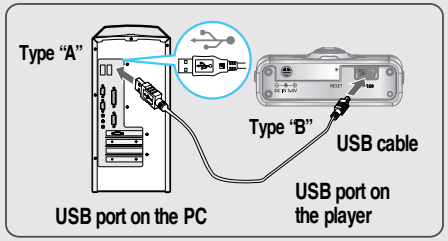
6 Installation is progressing.
Click "Finish".
The installation is completed.

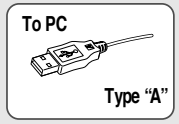


TO CONNECT THE H120 TO THE HOST PC

1 Click ▶ || to turn on the player.

2 Connect the USB cable to the player and the host PC.



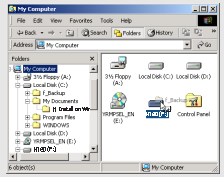


3 Windows XP and Windows 2000 will display a "Device Attached" icon.

⚠ **Note**

- Windows may ask to install a driver for the H120. Please follow the provided driver installation guide on the following page.

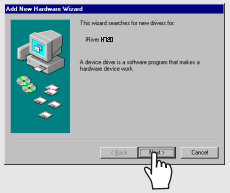
4 Once installed, open Windows Explorer and an additional drive should be listed called "H120".



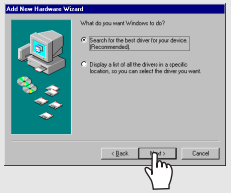
TO INSTALL THE H120 DEVICE DRIVER

Complete the driver installation after installing the H Manager software.

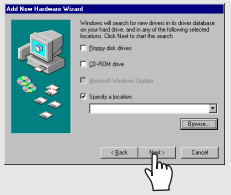
1 Connect the player to your PC, Windows will display the "Add New Hardware Wizard. Click Next.



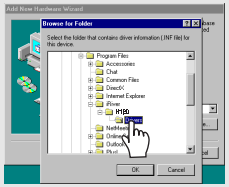
2 Chose "Search for the best driver for your device (Recommended)." Click Next.



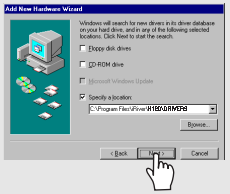
3 Place a checkmark next to "Specify a location" and click Browse.



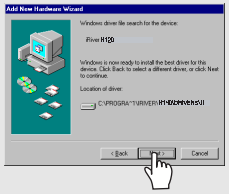
4 Locate the following path on your computer. C:\Program Files\iRiver \H120\drivers, click "OK".



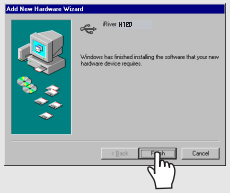
5 Once the path has been located, Click "Next".



6 Click "Next"



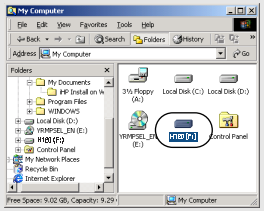
7 Click "Finish"
The installation of the Device Driver is complete.



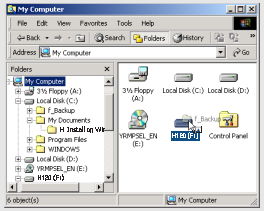
TO USE AS A PORTABLE STORAGE DEVICE

If the player is not connected to the host PC, connect it to the host PC. (Refer to page 10)

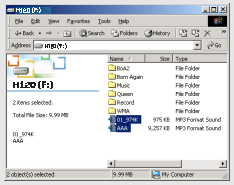
1 The player will show up as a new drive in Windows Explorer.

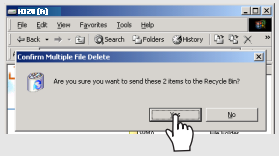


2 Click and Drag files from the PC to the H120 player.



3 To delete files or folders from the H120, select the files (folders) to be deleted and press "Delete" on the keyboard. Click "Yes" when asked to confirm the delete.





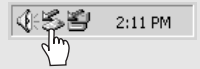
The H120 operates just like an additional hard drive in Windows Explorer. Files can be copied, deleted, etc.

⚠ Note

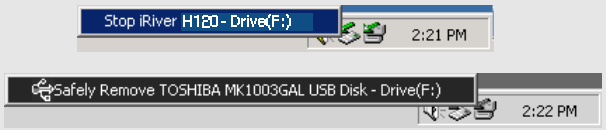
- When the H120 is attached to a computer for an extended period of time, be sure to plug in the AC adapter. Low batteries can prevent the proper functioning of the H120.

TO DISCONNECT THE PLAYER FROM THE HOST PC

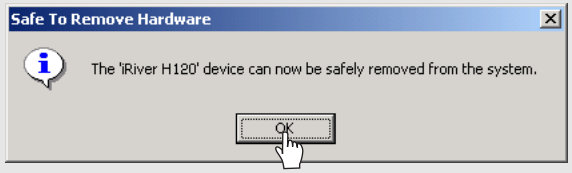
1 Click the 'Safely Remove Hardware" icon in the System Tray.



2 Click "Stop iRiver H120-Driver(X)" or "Safely Remove TOSHIBA MK1—3GAL USB Disk - Drive(X:)". (Where X is the drive letter assigned to the H120)



3 Click 'OK' after confirming the "Safe To Remove Hardware" massage.

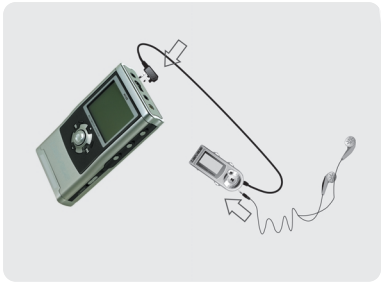


4 Disconnect the USB cable between the H120 and host PC.

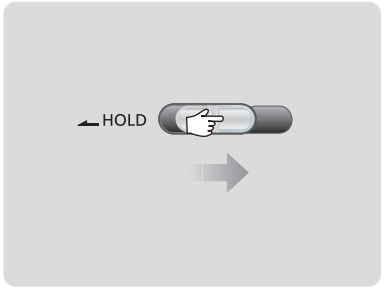
⚠ Caution

- Do not disconnect the player while the drive is in use. Complete any file copying or DB creation activity before attempting to disconnect the H120 from your PC.

1 Connect the headphones and remote control as shown below.

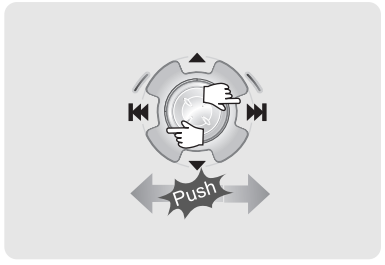


2 Put the HOLD switch to “OFF”.

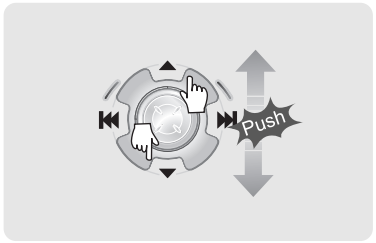


3 Press the PLAY/STOP button to turn on the player.
Press it again to play.

4 To select music
|◄◄ : To select previous track
►►| : To select next track



5 To adjust the volume
▲|+| : To increase volume
▼|–| : To decrease volume



NOTE

- When "Hold" is ON, the buttons on the player will not function.
- When the player is stopped, it will automatically shut off according to the "STOP POWER OFF" setting (Refer to page 43).

■ Power ON

■ To play / Pause

■ To stop

■ To play next track

■ To turn off the player

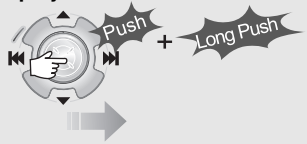
■ File playback ↔ FM receiving

■ To fast forward

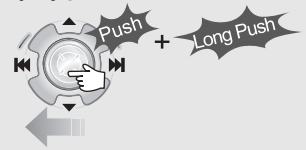
■ To fast reverse

■ To play previous track

■ To play next folder



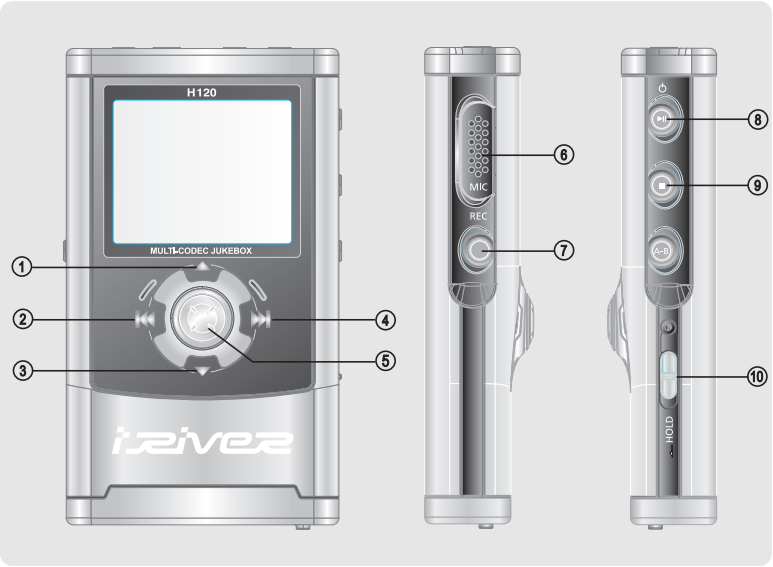
■ To play previous folder



Tip

File Format displayed as below

MP3 ▷ MP3 WMA ▷ WMA
OGG ▷ OGG WAV ▷ WAV
ASF ▷ ASF



- To activate Navigation

- To activate Menu

1. To increase volume.
2. To select the previous track or FM station.
3. To increase volume.
4. To select the next track or FM station.
5. To select NAVI/MENU function.
6. Internal Microphone
7. To change to record standby mode or start recording.
8. To start or pause playback to change FM ↦ HDD.
9. To stop playback or recording or turn off.
10. HOLD: Enable or disable HOLD function. Buttons do not work when HOLD is enabled.

BASIC OPERATION

- To adjust the volume
  Press + on volume button to increase volume and press – on button to decrease volume.

File playback ↔ FM receiving

(Refer to page 30)

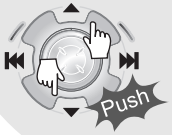
Selecting FM Mode when listening FM
Stereo ↔ Mono

■ To Record

[Record standby]

[To select source to record]

[To select Bitrate Type]



[To select File Type]

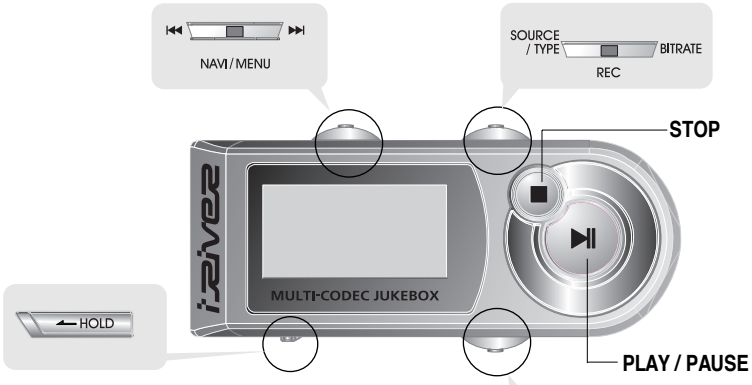
[To start recording]

[To stop recording / Standby for recording]

NAVIGATION

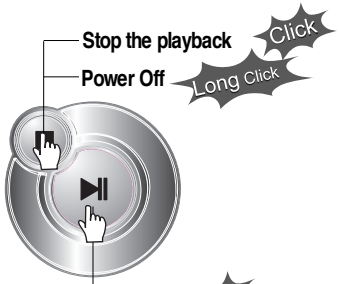
■ Press NAVI/MENU button and find the desired track by pressing the VOL + or VOL – button, |◂◂ or ▸▸|, NAVI/MENU button.

The remote control operates every function by using 5 buttons.



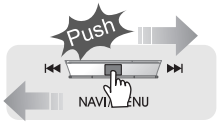
- B ▶ Main unit and Remote control both locked.
- M ▶ Only Main unit is locked.
- R ▶ Only Remote control is locked.

BASIC OPERATION FUNCTION

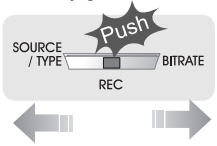


- Turn on the player
  Playback and Pause

- To listen to the next track, push the jog switch to the right.



- To listen to the previous track, push the jog switch to the left.



To listen to the previous folder

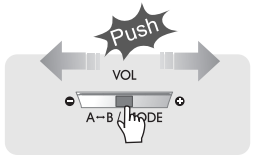
To listen to the next folder

- Navigation Operation

- Menu Operation

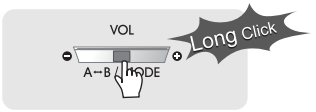
BASIC OPERATION FUNCTION

- Volume Control



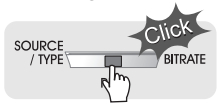
Slide jog lever to the right to increase volume or to the left to decrease volume.

- Changing Mode

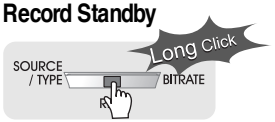


- HDD ↦ FM Changing

- To change EQ/SRS



- Record Standby



NAVIGATION

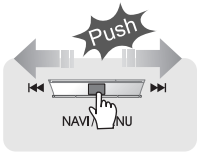
Press the Navi/Menu jog lever with a short click and find the desired track by pressing ⏮ or ⏭. To play the track, press Navi/Menu with a short click.

To move to upper folder, click the STOP button or long click NAVI/MENU button.
If there is no upper folder, pressing the Stop button will exit the NAVIGATION mode.

MENU

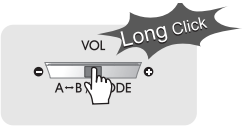
Long press of NAVI/MENU will enter the MENU.

1. Scrolling between menus : Press ⏮ and ⏭
2. Select Function: press Navi/Menu button.
3. Exit: Press the stop button.



MODE

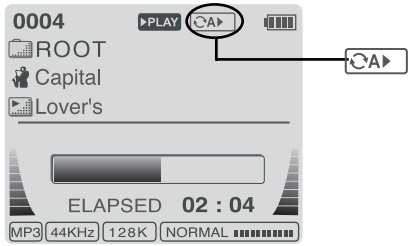
While an audio file is playing, press and hold the A-B/MODE button to activate playback modes (Repeat, Shuffle, etc.).



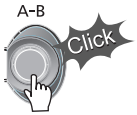
INTERVAL REPEAT

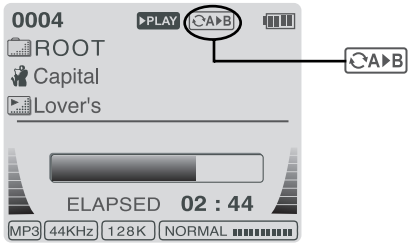
Play selected interval repeatedly while playing.

Press A-B button once to select the beginning <A> Point.



Press A-B button again to select the ending <B> Point.





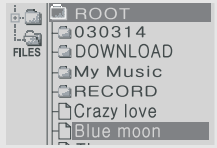
- A-B interval will be repeated.

Navigation mode is useful for quickly searching your files by using ID3 tag information and file name.

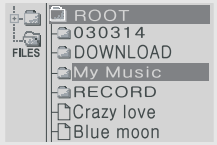
In case the database file is damaged or deleted or DB SCAN OPTION is set to “OFF”, the Navigation function will use the normal "File Tree" method of searching. (Refer to page 24 for DB file information.)

1. NAVIGATION USING FILE TREE

1 Press the NAVI/MENU button to display the list of audio tracks. The current track will also be displayed.



2 Push the NAVI/MENU handle toward ▲ or ▼ to select a track or folder to play.



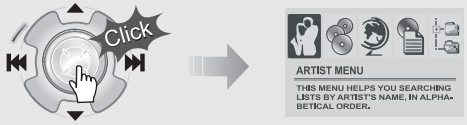
3 Press the NAVI/MENU button to play the selected track or display the contents of a folder.

- Once you select a folder, choose the song you wish to listen to and press the NAVI/MENU button.
- Push the NAVI/MENU handle toward ⏮ to go the upper folder or the previous menu.

2. NAVIGATION USING MUSIC INFORMATION

In order to use the navigation by Artist/Album/Genre/ and Title, the DB SCAN setting must be set to YES in the firmware menu, (refer to page 41).

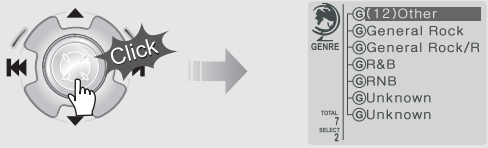
1 **Press the NAVI/MENU button.**
The function selection graphic displays on the LCD.



2 **Push the NAVI/MENU handle toward ⏮ or ⏭ to select the searching function.**

To search by artist' s name	To search by album's name	To search by genre menu	To search by song title	To search by files & folders

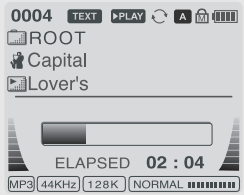
3 **Press NAVI/MENU to display the details of the selected searching method.**



4 **Press the NAVI/MENU handle toward ▲ or ▼ to select searching condition.**

5 **Press the NAVI/MENU button to display the detail of the selected search condition.**

- **If the selected search condition does not have any details, playback of matching tracks will begin immediately.**



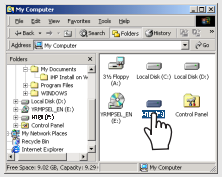
- **When you select "Select All", all tracks matching the selected condition are played and "L" (Indicating List Repeat Mode) is displayed.**
- **To cancel List Repeat Mode, press Stop to stop playback and press Stop again to cancel the List Repeat Mode.**
- **Repeat 4 ~ 5 steps to search for other tracks.**
- **Push ⏮ to go back the previous step.**
- **Caution:DB navigation does not work when The directory or file name is over 52 characters**

TO UPDATE DB

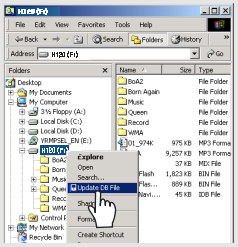
The DB is a DataBase of the songs on your H120 player. It indexes all the Artist, Album, Genre, and Title information as found in the ID tags of your MP3 files. It is important to perform the steps below after loading the H120 player for the first time. This can also be used to re-create the DB file if it is damaged or accidentally deleted. Any time songs are deleted from the player, the DB must be updated to keep the Artist, Album, Genre, and Title lists accurate. When new songs are added the DB must be updated or the songs must be added to the DB using the instructions on the following page.

1 Connect the player to the host PC. (Refer to "Connecting the H120 to the Host PC", page 10)

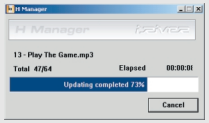
2 Open Windows Explorer and select the H120 drive.



3 Right click on the H120.

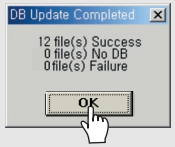


4 Select "DB File update" to activate DB File update.



The DB update will take from three to five minutes depending on the number of songs loaded on the H120.

5 Click "OK".

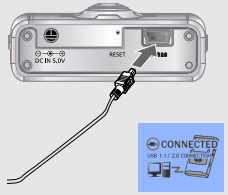


6 After disconnecting the player from the host PC, you can use the Navigation function to search for songs using ID3 Tag information. (Refer to "Disconnecting the player from the Host PC", page 13.)

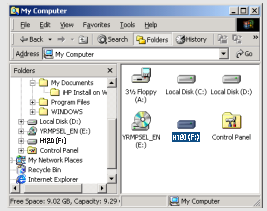
TO ADD DB

If you are adding songs to the H120 and not deleting any files, you can save time by adding the files to the DB instead of updating the entire DB file.

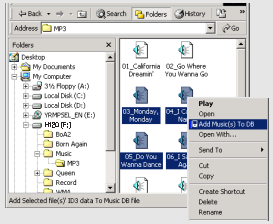
1 Connect the player to the host PC. (Refer to "Connecting the H120 to the Host PC", page 10)



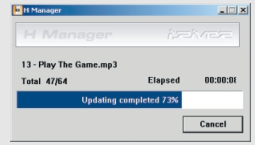
2 After activating the explorer on the PC, select H120 driver.



3 Click the right button of mouse after selecting MP3 files or Folders to add to DB.



4 Select "Add Music(s) to DB" to activate this function.



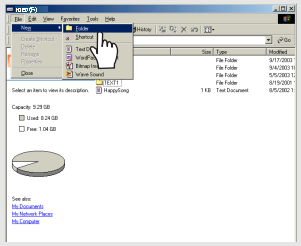
5 ID3 Tag information of the selected files are added to DB. In case DB file is not, new DB file (iRivNavi.iDB) is created.

6 After disconnecting the player from the host PC, you can search the added music by using ID3 Tag. (Refer to "Disconnecting the player from the Host PC", page 13.)

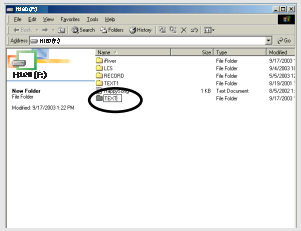
TO MAKE A TEXT FILE

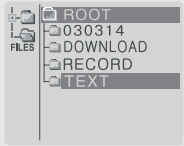
You can read text files on your H120 player by creating a "TEXT" folder and copying .TXT files into it.

1 Make a new folder under ROOT folder on the Windows Explorer.

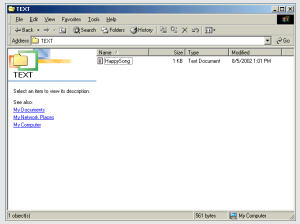


2 Type TEXT as a name of a new folder on the Windows Explorer.





3 Copy ***.txt files on the PC to the player.



NOTE

- The screen can display 19 characters across and 8 lines.
- The text is not displayed on the remote.
- Text files can not be deleted directly from the player, it must be connected to the PC and files deleted from Windows Explorer.
- The player can store 200 text files, and can read up to 240 KBytes per each text file.

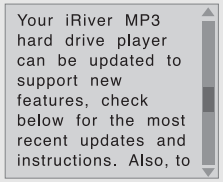
TO READ A TEXT FILE

1 Click the NAVI/MENU button to go to NAVI mode. Or select the fifth icon, "To search by files & folders" on the Navigation using Music Information

2 Push the NAVI/MENU lever toward ⏮, ⏭ or ▲, ▼ to select the TEXT file under the TEXT folder.

3 Click the NAVI/MENU button.

4 TEXT file is displayed on the LCD.


Your iRiver MP3 hard drive player can be updated to support new features, check below for the most recent updates and instructions. Also, to

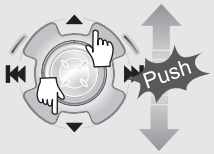
5 Click the REC button to switch the display to the current song information. Click the REC button again to return to the text file.

6 Click the STOP button to exit the text file and return to the song display screen.

TO SEARCH THE TEXT FILES

1. To Search a Text files generally

1 Push ▲, ▼ lever to move to the next line during reading the text.

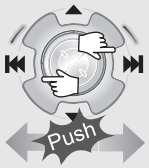


The remarkably small and lightweight H120 plays over 300 hours of digital music. Within the sleek magnesium body lies a

→

small and lightweight H120 plays over 300 hours of digital music. Within the sleek magnesium body lies a rechargeable

2 Push ⏮, ⏭ lever to move to the next page during reading the text.



The remarkably small and lightweight H120 plays over 300 hours of digital music. Within the sleek magnesium body lies a

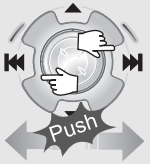
→

body lies a rechargeable battery that delivers up to 16 hours of life, a built-in FM tuner, an ultra-fast USB 2.0 connection and

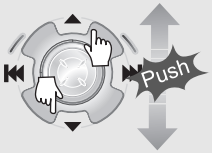
2. To go to specific position (Useful for large files.)

1 Click the NAVI/MENU button to move the desired position of the text.

2 Push ⏮, ⏭ lever to select the desired Digit.



3 Push ▲, ▼ lever to select the desired numeral.



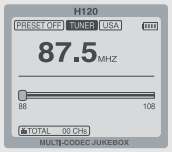
4 Click the NAVI/MENU button. The TEXT goes to the selected position.

Your iRiver MP3 hard drive player can be updated to support new features, check below for the most recent updates and instructions. Also, to

NOTE The number displayed is the Kilobyte size and Kilobyte location in the text file.

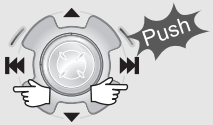
OPERATING THE FM TUNER

- While playing an Audio File, Press and hold the PLAY/PAUSE button.



The FM function picture displays on the LCD. ▶

- Push the ⏮ or ⏭ button to select FM frequency.



- Press the STEREO/PLAY/PAUSE button to select Stereo/Mono.

SELECTING FREQUENCY

1 To change frequency, push the ⏮ or ⏭ switch to the left or the right.

2 Auto Scan function: To select a station to store, press the NAVI/MENU button to exit Preset mode and find a station by using ⏮ or ⏭.

Exit Preset

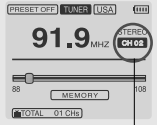
3 PRESET Mode : To select a station saved in memory, press the NAVI/MENU button to enter Preset mode. Select a stored station by using the ⏮ or ⏭ switch.

MEMORY FUNCTION (Save stations manually)

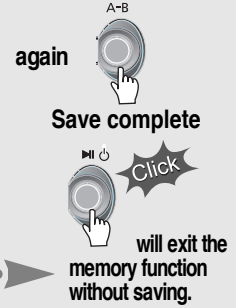
1 Select a station by pushing the ⏮ or ⏭ switch to the left or the right.

2

Push ⏮ or ⏭ and select the desired station to save the station to.



Select CH02



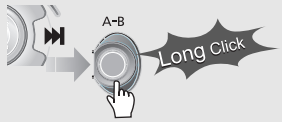
3 Up to 20 stations can be stored.

AUTO MEMORY FUNCTION (Save stations automatically)

Automatically select station and save them in sequential order.

1 Press the NAVI/MENU button to exit the Preset mode.

2 Press and hold the A-B/MODE button.



3 Up to 20 stations will be stored in channels 1~20 automatically.

▶ Note: The Auto Memory Function may not function well in weak transmission areas.

MEMORY DELETE FUNCTION (Delete saved channels)

1 Select the channel to be deleted at preset mode.

2 Press and hold the memory button.

- The next channel will appear when channel deletion is completed. Push the MEMORY button if you want to delete the next channel also.

- FM Tuner reception may vary in different areas.
- While in Preset mode, Auto Scan and Auto Memory functions are not available.
- When the player does not have any preset channels, EMPTY will be blinking at preset mode.

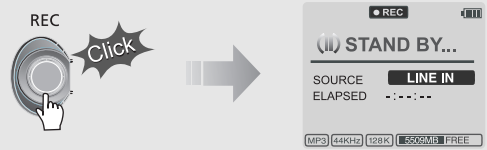
CONNECTING THE PLAYER TO EXTERNAL AUDIO SOURCE

Connect the stereo cable to the LINE IN jack on the H120 and to the LINE OUT or Headphone jack of an external audio device.

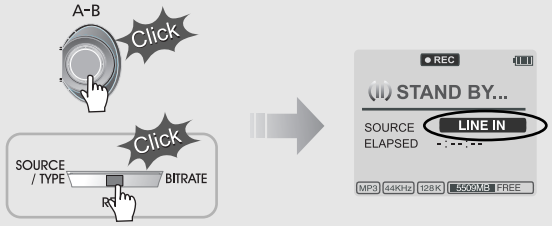
If the external audio device has an Optical output, connect an Optical cable to the Optical Out jack on the external device and to the Optical In jack on the H120.
When recording by using the external microphone, connect the external microphone to the Line-In jack.

RECORDING

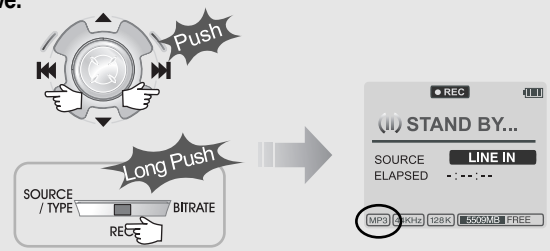
1 Press the REC button to activate recording standby mode.



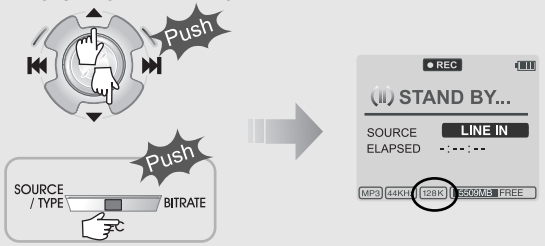
2 Press A-B/MODE button or push the REC switch toward SOURCE/TYPE to select the source to record
- To record voice with internal microphone : INT.MIC
- To record voice with the external microphone: EXT.MIC
- To record from an external audio device with an Optical Out: OPTICAL.
- To record from an external audio device with a standard Line Out or Headphone jack: LINE-IN



3 Push the MENU/NAVI handle toward ⏮ or ⏭, or push the REC button on the remote control toward SOURCE/TYPE to select FILE TYPE to save.

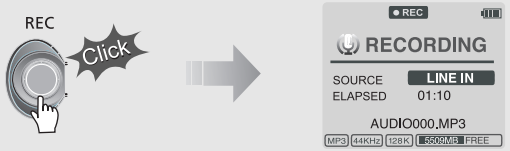


4 Push the MENU/NAVI handle toward ▲ or ▼, or push the REC button on the remote control toward BITRATE to select BITRATE TYPE to set recording quality. This is only for MP3 file.



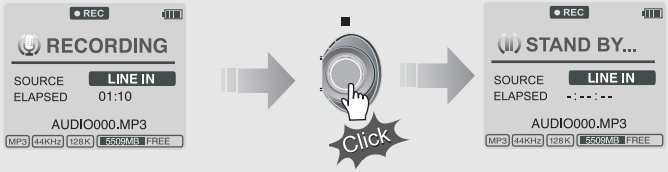
- When saving as WAV file, the Bitrate generally is 1411Kbps. (44.1 KHz, 16Bit, Stereo)
- When saving the optical signal with 48KHz as WAV file, the Bitrate is 1536Kbps. (48 KHz, 16Bit, Stereo)

5 Push the REC button to start recording.
When recording from an external audio device, be sure to start the playback on that device when recording on to the H120.



NOTE Volume level can not be controlled on the H120 while recording from an external device.

6 While recording, press ■ (STOP/PWR OFF) to stop recording and switch to recording standby mode. Press the REC button again to begin recording to a new file.



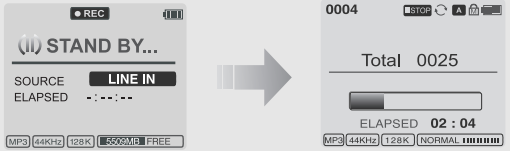
- Press the REC button to pause recording. And press the REC button again to restart recording.

TO PAUSE RECORDING

- During recording, press REC button to pause recording, press REC button again to start recording.

TO STOP RECORDING

- At recording standby mode, press and hold ▶II button to go previous mode.

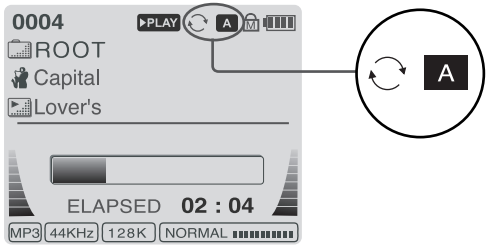


- Recorded files are stored in folders matching the source name from where the audio was recorded.
  - Line In/Optical In : ROOT\RECORD\AUDIO\AUDIOXXX.MP3(WAV)
  - INT/EXT Mic : ROOT\RECORD\VOICE\VOICEXXX.MP3(WAV)
- Recording is automatically stopped if:
  - The H120's memory is full.
  - When the recorded MP3 file size is over 195MB
  - When the recorded WAV file size is over 795MB
  - The recorded time is longer than 5 hours.
  - The battery is low.
  - When sampling rate is changed during optical recording
- Caution
  Optical recording can sample at 44.1KHz or 48KHz. It is important to match the recording sampling rate with the playback sampling rate of your optical output device. Note, when the player is is Record Standby Mode, it will automatically shut off according to the "STOP POWER OFF" setting (Refer to page 43).

TO PLAY THE RECORDED FILE

Press ▶II button to play the recorded file at the recording standby mode.

The H120 has various playback modes.
Please refer to the function controls (see page 44 for details) for user-defined configurations.



When the A-B/MODE button is pushed, the playback mode changes and an icon indicating the mode is displayed.

■ REPEAT

1	Play a single track repeatedly. Press ⏮ or ⏭ to play the previous or next track.
D	Play all tracks in the folder and stop.
D	Play all tracks in the folder repeatedly.
A	Play all tracks in the player repeatedly.

■ SHUFFLE

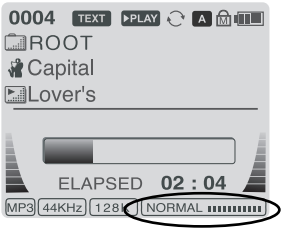
SFL	Randomly play all tracks in the player and stop.
SFL 1	Play a single track repeatedly. Press ⏮ or ⏭ to switch to a new random track.
SFL D	Randomly play all tracks in the folder and stop. Press ⏮ or ⏭ to switch to a new random folder.
SFL DA	Randomly play all tracks in the folder repeatedly.
SFL A	Randomly play all tracks in the player repeatedly.

■ INTRO

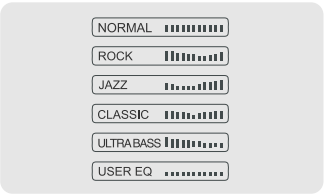
INTRO	INTRO: Play beginning 10 seconds of each track in sequential order. INTRO HIGHLIGHT: Plays 10 seconds from 1 minute into each track in sequential order. You can set this function in the MENU function.

EQ / SRS

- You can change the EQ to match your music style.
  - Normal / Rock / Jazz / Classic / Ultra Bass / User EQ
  - SRS / TruBass / WOW (Preset) / WOW (User)
- Whenever the REC button is pressed, EQ changes as the following order : (Normal → Rock → Jazz → Classic → Ubass → User EQ → SRS → TruBass → WOW(Preset) → WOW(User))
- You can set the EQ function by using Function Menu. Refer to page 44~45.



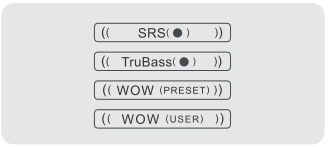
■ EQ



- EQ (SRS Off) : SRS is deactivated and EQ set by user is operated. (Normal, Rock, Jazz, Classic, UBass, User EQ)

■ SRS

1) SRS Selection
   - SRS(●) : SRS is activated.
   - TruBass : TruBass is activated.
   - WOW (Preset) : WOW (Preset) is operated as a preset setting organized by SRS +TruBass +Focus function.
   - WOW (User) : WOW (User) is operated as a setting of SRS +TruBass +Focus adjusted in the SRS Settings on the menu by user.



2) SRS Settings (The defaults is 5, 7, High, 60Hz)
   - SRS(●) : SRS range can be set from 1 to 10.
   - TruBass : TruBass range can be set from 1 to 10.
   - Focus : The fineness of the sound can be selected. (Low, High)
   - Boost : You can set the Bass according to the using earphones or the Bass. (40, 60, 100, 150, 200, 250, 300, 400Hz)

※ SRS(●) is the trade mark of SRS Labs. Inc.

What is SRS(●)?.....
SRS-WOW is simulated 3D surround sound developed by SRS Lab and is composed by SRS, TruBass, Focus, and WOW.

CONFIGURATION

Function Control is subject to change with different firmware versions.
Users can configure their own settings.

General
- Beep Volume
- Resume
- Fade In
- Language
- Tuner Region
- Load Default
- Firmware Upgrade
- DB Scan

Display
- Back Light (Battery)
- Back Light (Adapter)
- LCD Contrast(Main)
- LCD Contrast(Remote)
- Tag Information
- Time

Timer
- Sleep Timer
- Stop Power Off

Control
- Scan Speed
- Scroll Type
- Optical Out
- Fast Skip

Mode
- Repeat
- Shuffle
- Intro

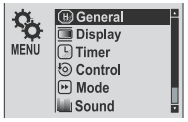
Sound
- Sound Balance
- EQ
- Bass Boost
- Treble Boost
- SRS (◉)
- SRS Settings

Record
- Record Type
- Bitrate
- AGC
- Voice Monitor
- EXT.MIC Volume

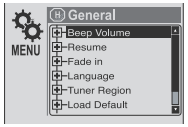
MENU OPERATION

1 Press and hold the NAVI/MENU button to display the menu system.
It is composed of 7 main menus with sub-menus.

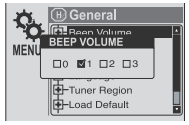
▼ MAIN MENU



▼ SUB MENU

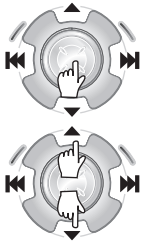


▼ Window for SUB MENU SETTING

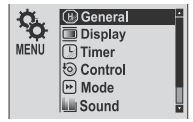


2 When you select a sub menu, you can set your preference to be displayed.

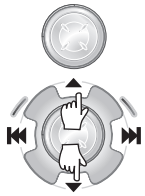
■ Scroll between Menu



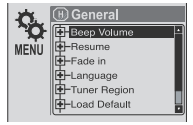
Press and hold the NAVI/MENU button to display the main menus. Push volume ▲, ▼ to scroll between main menus, press the NAVI/MENU button to select sub menu.



■ From Main Menu to Sub Menu

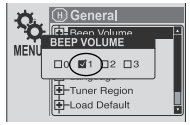


Use the ▲, ▼ to select a sub menu, push the NAVI/MENU button to display the contents of that sub menu.



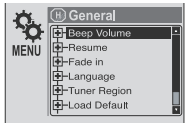
■ Change Settings by user

Use the ◀◀, ▶▶ or (▲, ▼) to change the settings. Push NAVI/MENU to save the setting.



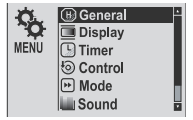
■ Exit Sub Menu

Press ◀◀ to display the initial setting menu.



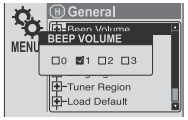
■ Exit Main Menu

Press ◀◀ at the initial setting menu to exit Function Control Mode.

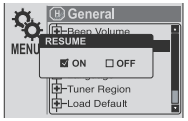


GENERAL

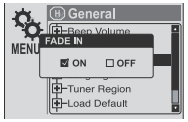
■ **BEEP VOLUME**
Set beep volume level to 0 / 1 / 2 / 3 step.



■ **RESUME**
When ON, player resumes to previous place in song after STOP or Power OFF.



■ **FADE IN**
When activated, volume increases gradually at playback mode to prevent sudden loudness.

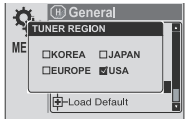


■ **LANGUAGE (Supports 38 languages)**
Song title and ID3 tag information is dependent on the version of the PC operating system that was used to create it. (For example, if a MP3 files is created in a Korean version of Windows, the language setting should be Korean for proper title display)

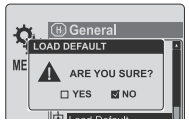
■ **TUNER REGION**
You can set the FM frequency and step according to your area.

Set them to fit your region to receive FM Radio.

If tuner region is newly set, the old preset stations is deleted.

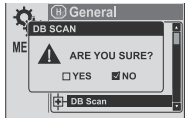


■ **LOAD DEFAULT VALUE**
Initialize all settings to original factory setting.



■ **FIRMWARE UPGRADE**
You can upgrade the player's Firmware.
Refer to page 49 for details.

■ **DB SCAN**
Turn the Navigation to search by using ID3 Tag on or off.

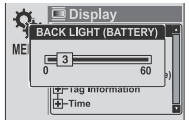


⚠ Yes : The player will take several seconds when it turns on to scan the DB file. This allows the Artist, Album, Genre, and Title searching.
Note : For Artist, Album, Genre, and Title searching to be activated, a DB file must be created on the H120. Refer to page 24 for instructions.
No : The H120 will power on more quickly but only File/Folder navigation will be available.

DISPLAY

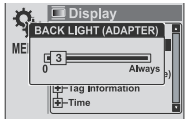
■ **BACK LIGHT (Battery)**
You can adjust the time that the Backlight stays on while the player is operated using the battery built in the player.

(Time range can be made from 1~60 sec.)

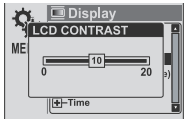


■ **BACK LIGHT (Adapter)**
You can adjust the time that the Backlight stays on while the player is operated using AC adapter.

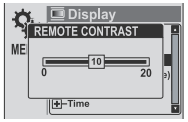
(Time range can be made from 1~59 sec.)
If 60 sec is selected, backlight is always on.



■ **LCD CONTRAST (Main)**
Adjust LCD contrast of the player.



■ **LCD CONTRAST (Remote)**
Adjust LCD contrast of remote control.

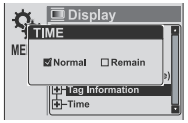


■ **TAG INFORMATION**
ON : Displays track with ID3 tag information and you can change the configuration of Tag information.
OFF : Displays track with file name.

The change will take affect when the next track is played.

■ **TIME**
Normal : display elapsed time.
Remain : display remaining time.

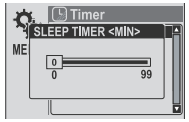
Note : In case of VBR MP3 files, the remaining time may display inaccurately.



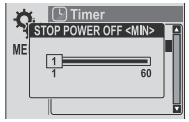
TIMER (Set Auto Power Off)

■ **SLEEP POWER OFF**
Automatically power off after fixed time
(Time range can be set from 1 to 99 minutes).

▷ When the power is off, the sleep power off setting goes back to 0.

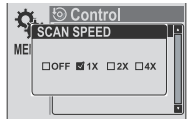


■ **STOP POWER OFF**
Automatically turns power off at stop mode.
(Time range can be made from 1~60 minutes.)

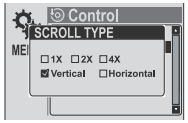


CONTROL

■ **SCAN SPEED**
The fast scan speed can range from
OFF / 1x / 2x / 4x.

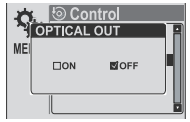


■ **SCROLL TYPE**
Adjust scroll speed by
1x / 2x / 4x / Vertical / Horizontal.
Vertical : The scroll goes up and down
Horizontal : The scroll goes from the left to the right.



■ **OPTICAL OUT**
ON: The optical output will be enabled starting with the next track.

⚠ Caution : Do not look directly into the Optical Out jack. The laser signal can be harmful to your eyes.



■ **FAST SKIP**
OFF : Disables the skip feature.
10: Plays the previous 10th or the next 10th song.
Directory: Jump to the Previous/Next directory.
⏮ and ⏭ button can be used for this setting.

MODE (PLAYBACK MODE)

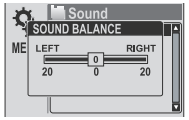
■ **REPEAT MODE / SHUFFLE MODE**
You can select a file or directory to listen to repeatedly.

You can play the selected mode simultaneously by setting REPEAT MODE / SHUFFLE MODE respectively.
(Refer to page 36 for details about each mode)

■ **INTRO MODE**
INTRO MODE plays the beginning 10 seconds of each track.
INTRO HIGHLIGHT plays 10 seconds from 1 minute into each track in sequential order.

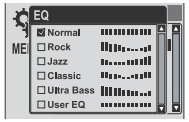
SOUND

■ **SOUND BALANCE**
Balance your sound to the right or left or keep it in the center according to your preference. When Sound Balance bar is moved to L (Left, 20),the sound outputs at the left earphone. When the bar is moved to R (Right, 20) the sound outputs at the right earphone.
The default value is 0 the sound outputs the same level at both earphones.

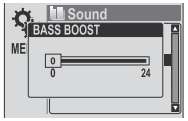


■ **EQ**
You can select 6 EQ.

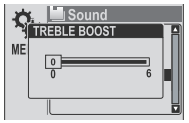
EQ is selected as follows :
Normal → Rock → Jazz → Classic → Ultra Bass → User EQ



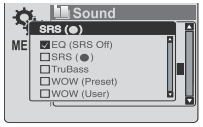
■ **BASS BOOST**
Bass Boost level is from 0 to 24dB by 2 step.
The value set on the BASS BOOST is applied to USER EQ.



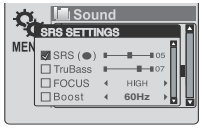
■ **TREBLE BOOST**
Treble Boost level is from 0 to 6dB by 2 step.
The value set on the TREBLE BOOST is applied to USER EQ.



■ **SRS**
You can enjoy EQ or 4 mode surround sound.
EQ (SRS OFF) → SRS → TruBass → WOW (Preset) → WOW (User)



■ **SRS Settings**
You can enjoy various surround sound by setting the sound levels.
SRS : 1~10
TruBass : 1~10
Focus : Low, High
Boost : 40Hz/ 60Hz/ 100Hz/ 150Hz/ 200Hz/ 250Hz/ 300Hz/ 400Hz



NOTE

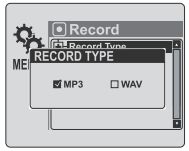
■ To adjust the USER EQ, set the BASS BOOST and TREBLE BOOST.
■ When you set the BASS BOOST or TREBLE BOOST, the EQ is automatically set to USER EQ.

REC MODE

■ **RECORD TYPE**

Adjust the format to record.
You can select one of MP3 or WAV.

You can also set it by using ⏮ or ⏭ button at recording standby mode.



■ **BIT RATE**

You can adjust recording quality by setting BIT RATE. The higher BIT RATE is, the better the recorded sound is and the lower it is, the worse the recorded sound is.

Higher quality recordings will create larger files and take up more space on the player.

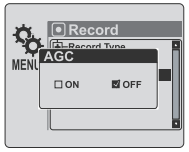
The Bit Rate can range from 40Kbps to 320kbps.
You can also set it by using ▲ or ▼ button at recording standby mode.

The BIT RATE OPTION is only applied when recording as a form of MP3.

■ **AGC**

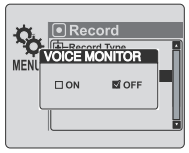
ON : When voice recording, the level is automatically controlled to help avoid distortion in the recording. Also, recordings from long distances will be improved.

AGC function is operated at voice recording mode.



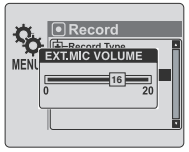
■ **VOICE MONITOR**

Allows you to listen to the sounds being recorded through the headphones in real-time.



■ **EXT. MIC VOLUME**

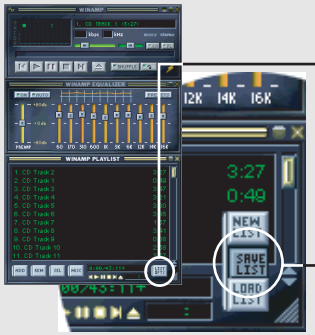
You can control sound level recorded by using the external microphone.



HOW TO USE WINAMP PLAYLIST

1 Make a PLAYLIST (* .M3U) using WINAMP.
Note : WINAMP software is not included with the player.

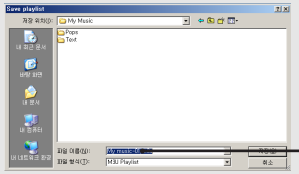
▼ Winamp execution picture



1. Launch WINAMP and add songs to make a list.

2. Click "LIST OPTS" located on the right bottom and click "SAVE LIST"

▲ Click the SAVE LIST button.



3. Name the file name (ex: iriver.m3u) and click "SAVE" to save the list.

2 Save to the player with the * .M3U and the files added to the playlist.

3 Press A-B/MODE button at stop mode and LCD displays a list of M3U playlist files on the player. You can find the playlist you want to play by using the ▲, ▼ button and the ⏮ or ⏭ button.

4

Press NAVI/MENU button or

button to play the tracks in the order of the playlist.

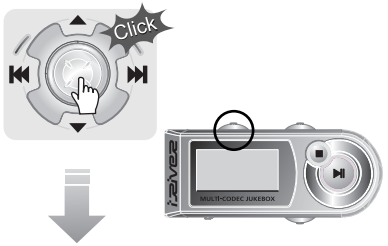
PL icon indicates PLAY LIST. ▶

NOTE A total of 200 playlists can be recognized.

Tip

- **RESERVATION FUNCTION**
  Press NAVI/MENU button during playback to select the next song to be played, then press A-B/MODE button to queue that song.

Press NAVI/MENU button during playback,



After selecting the song to play next,

Firmware Upgradable

Upgrade your firmware at www.iriver.com.

What is FIRMWARE?

It is the operating system that works in the H120.
iRiver provides you with the latest and best features through Firmware Upgrade.
Visit www.iriver.com to upgrade your Firmware.

How to UPGRADE?

1. Download the latest firmware upgrade file from www.iriver.com
2. Extract the file and save it to the ROOT of the H120.
3. Connect the AC adapter to the H120.
   (Caution: Only upgrade the firmware on the H120 with the AC adapter connected.)
4. Select the Firmware Upgrade on the MENU.
5. Click the NAVI/MENU button after selecting "YES" on the Alert window.
6. Check whether your LCD window shows "Firmware Upgrading..."

7. Do not turn the player off or disconnect the player from the AC Adapter until the Firmware Upgrading is done. When the power goes off automatically, the upgrade is done. After turning the player on, confirm the Firmware Upgraded operating.

- Supported file types will have the extension MP3, OGG, WMA, ASF and WAV.
- Folders and files are sorted in alphabetical order.
- H120 can recognize up to 2000 folders and 9999 files.
- Track information is displayed either filename or ID3 TAG information.
- Physical shock can cause bad sectors on the Hard Disk inside the H120 Series. This can be recovered using Windows Scandisk.

⚠ CAUTION!

▷ Some earphone plugs may not fit the remote properly. Use the included earphone extension if your headphones will not plug in properly.

SAFETY

- Avoid dropping or impacting the player.
  The player is designed to operate while walking or running, but dropping or excessively impacting the player may cause damage.
- Avoid contacting the player with water.
  Damage to the internal parts of the player may occur if the player comes into contact with water. If your player gets wet, dry the outside with a soft cloth as soon as possible.
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed.
- Keep the player away from a material with strong magnetic forces. This can cause malfunction in the Hard Drive.
- If the H120 is disconnected suddenly during file transfer, it may case data loss and an error "Total of 0000 Folder(s)" may display on the H120. If this happens, attach the H120 to your PC and run the Windows Scan Disk utility.

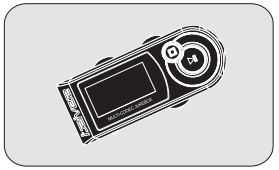
ON HEADPHONES AND EARPHONES

- Road Safety
  Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headset at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.
- Preventing hearing damage
  Avoid using headphones/earphones at high volume. Hearing experts advise against listening to continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.
- Consideration for others
  Keep the volume at a moderate level. This will allow you to hear outside sound and to be considerate of the people around you.

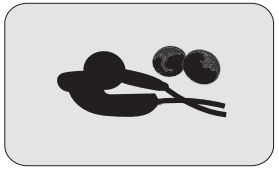
- Should any problem persist after you have checked these symptoms, consult your iRiver dealer or contact support at iRiver.com.

No Power	• Check whether the battery is discharged. Check the operation after connecting AC Adapter.
No sound is heard from the player or distortion is heard during playback.	• Check whether VOLUME is set to "0". Connect the remote control / earphone plug firmly. • Check whether the plug is dirty (clean the plug with a dry and soft cloth). • Corrupted Audio file may have a noise or sound cut off.
Characters in LCD are corrupted.	• Check out Menu ▷ General ▷ Language and confirm whether the right language has been selected.(Refer to page 40)
Poor FM Reception.	• Adjust the position of the player and earphones. • Turn off the power of other electronic devices near the player. • The headphone cord functions as the antenna, they must be plugged in for best reception.
Failed download of a file to the player	• Check the connection between your computer and the player to ensure that the cable is secure. • Check the condition of the battery. • Check the operation after connecting AC Adapter.
H120 will not charge properly	• Check whether the adapter plug is properly connected. • Fully charged batteries will not accept charge, the player will appear not to enter charge mode.

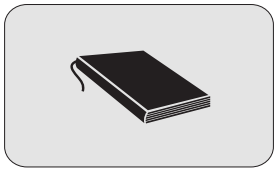
1 Remote Control



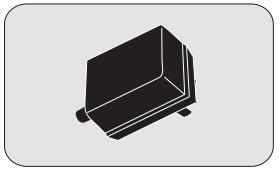
2 Headphones and foam covers



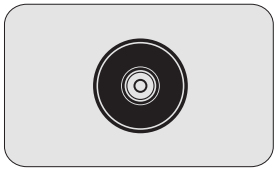
3 User Manual/Warranty card



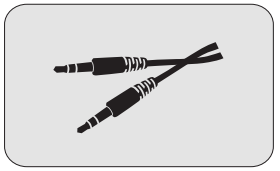
4 AC Adapter



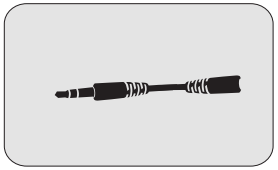
5 Installation CD



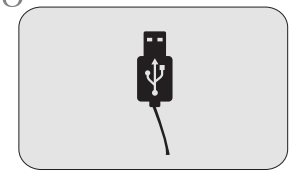
6 Line in / out Connection Cable



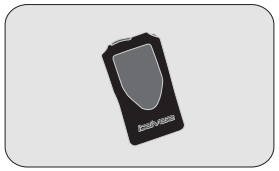
7 Earphone Extension Cable



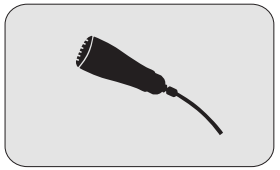
8 USB Cable



9 Carrying Case



10 External Microphone



※ Accessories subject to change without notice and may vary from image shown.

Capacity	20 GB*
Model No	H120

* 1 GB = 1,000 MB = 1,000,000,000 Bytes
Not all memory available for storage.
Memory is not expandable.

Category	Item	Specifications
Audio	Frequency/Range	20Hz~20KHz
	Headphone output	20mW(L) +20mW(R) at 16Ω Max. Volume
	S/N ratio	90dB(L), 90dB(R) (MP3)
	Frequency Characteristics	± 2dB
	No. of Channels	STEREO(L+R)
Audio (FM Tuner)	FM Frequency range	87.5MHz~108MHz
	Headphone Output	20mW(L) +20mW(R) at 16Ω Max. Volume
	S/N ratio	50dB
	Antenna	Headphone/Earphone-Cord Antenna
File Support	File TYPE	MPEG 1/2/2.5 Layer 3, Ogg Vorbis, WMA , ASF, WAV
	Bit Rate	32Kbps ~ 320Kbps (Ogg : 32Kbps~ 500Kbps, 44.1KHz)
	Tag	ID3 VI , ID3 V2 2.0, ID3 V2 3.0
Power Supply	AC Adapter	DC 5V , 2A
General	Dimension	Approx. 60(W) x 19(D) x 105(H) mm
	Weight	Approx. 160 g
	Operational Temperature	0℃ ~ 40℃
Max. Playtime	MP3 / WMA / ASF	Approx. 16 hours

Federal Communications Commission (FCC)

The device manufactured and found to comply with limits for a Class B computing device according to the specifications in FCC rules Part 15. Operation is subject to the following two conditions;

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.
3. If your device needs repairs, you must arrange for the manufacturer to make them if you are to keep the device's FCC registration valid.

This equipment, like other electronic equipment, generates and uses radio frequency energy. If not installed and used according to the instructions in this manual, this equipment may cause interference with your radio and television reception.
If you think this equipment is causing interference with your radio or television reception, try turning the equipment off and on. If the interference problems stop when the equipment is switched off, then the equipment is probably causing the interference. You may be able to correct the problem by doing one or more of the following:

- Adjust the position of the radio or TV antenna
- Move away the device from the radio or TV

If necessary, consult your dealer or an experienced radio or television technician. You may find this booklet helpful:"How to Identify and Resolve Radio and TV Interference Problems"(Stock No. 004-000-00345-4), prepared by the FCC and available from the U.S Government Printing Office, Washington, DC 20402. See individual devices FCC ID and registration numbers.

For the customers in Europe

CE

The CE mark on the player is valid only for products marketed in the European Union.

MEMO

MEMO